

Grippers of PH Series are used to move big components and thanks to the possibility to choose between three different strokes for each size, it's possible to cover several areas of application. The opening and closing movement of gripping jaws is always synchronized thanks to an inside system with rack and pinion, which allows the centring of the item. Several slots have been machined on the main body, to allow the positioning of a magnetic switch.

Les pinces de la série PH sont utilisées pour déplacer de gros composants et grâce à la possibilité de choisir entre trois courses différentes pour chaque taille, il est possible de couvrir plusieurs domaines d'application. Le mouvement d'ouverture et de fermeture des mâchoires de préhension est toujours synchronisé grâce à un système intérieur à crémaillère, ce qui permet le centrage de l'objet. Plusieurs fentes ont été usinées sur le corps principal, pour permettre le positionnement d'un capteur magnétique.

Le pinze della serie PH servono per movimentare pezzi di grandi dimensioni e grazie alla possibilità di scegliere tre diverse course per ogni diametro, si posso coprire moltissimi campi di impiego. Il movimento di apertura e chiusura delle dita di presa è sempre sincronizzato grazie ad un sistema interno con pignone e cremagliera, che consente la centratura del pezzo. Sul corpo centrale sono ricavate delle scanalature per il posizionamento dei sensori a scomparsa.

ORDERING CODE / CODIFICATION / CHIAVE DI CODIFICA

PH 3 0 0 0 0

Stroke / Course / Corsa				
Ø10	Ø16	Ø20	Ø25	Ø32
20 mm	30 mm	40 mm	50 mm	70 mm
40 mm	60 mm	80 mm	100 mm	120 mm
60 mm	80 mm	100 mm	120 mm	160 mm

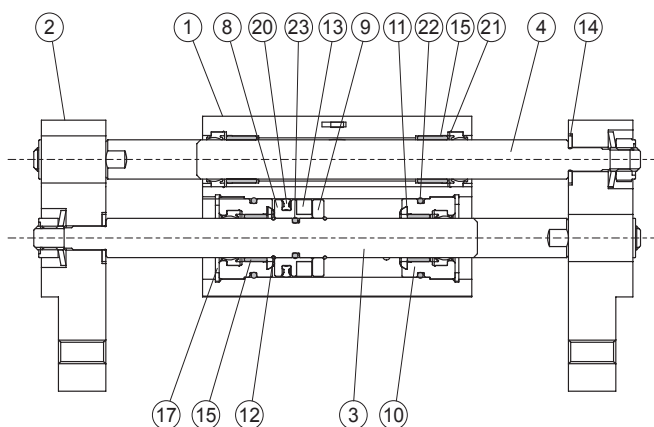
Ø gripper / Ø pince / Ø pinza
10 - 16 - 20 - 25 - 32 mm

3 = double acting / double effet / doppio effetto

TECHNICAL DATA / DONNÉES TECHNIQUES / DATI TECNICI

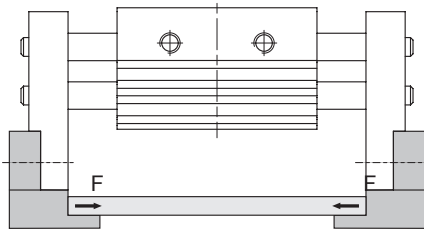
Fluid / Fluide / Fluido	Lubricated or non lubricated air / Air lubrifié ou non lubrifié / Aria con o senza lubrificazione
Operating temperature range / Température d'utilisation / Temp. di esercizio	-10°C / +60°C
Pressure range / Pression d'utilisation / Pressione di utilizzo	2 - 7 bar
Action tolerance / Tolérance d'action / Tolleranza d'azione	± 0.2 mm

COMPONENTS / COMPOSANTS / COMPONENTI

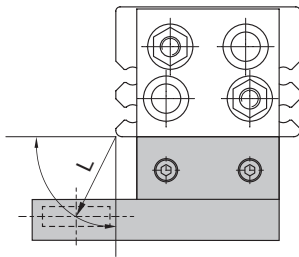


pos.	description / description / descrizione	material / matériel / materiale
1	body / corps / corpo	aluminium / aluminium / alluminio
2	finger / doigts / dita	aluminium / aluminium / alluminio
3	rod / tige / stelo	stainless steel / acier inox / acciaio inox
4	rack / crémaillère / cremagliera	stainless steel / acier inox / acciaio inox
8	piston / piston / pistone	brass / laiton / ottone
9	piston / piston / pistone	brass / laiton / ottone
10	cap / fond / testata	aluminium / aluminium / alluminio
11	bumper / pare-chocs / paracolpi	NBR
12	snap ring / anneau élastique / seeger	steel / acier / acciaio
13	magnet / aimant / magnete	synthetic rubber / caoutchouc / gomma sintetica
14	washer / rondelle / rondella	steel / acier / acciaio
15	guide / guidage / guida	PTFE
17	snap ring / anneau élastique / seeger	steel / acier / acciaio
20	seal piston / joint piston / guarnizione pist	NBR
21	seal / joint / guarnizione	NBR
22	seal / joint / guarnizione	NBR

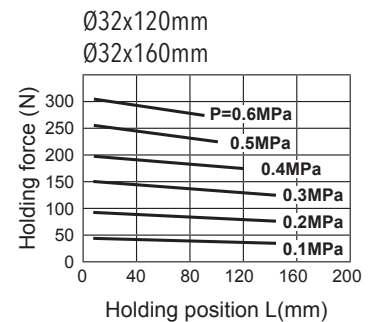
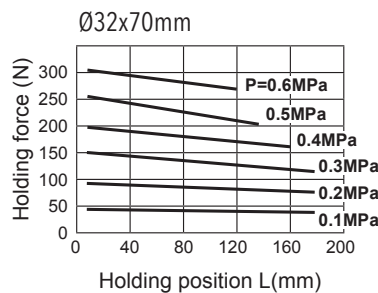
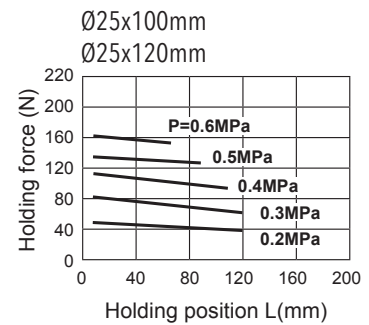
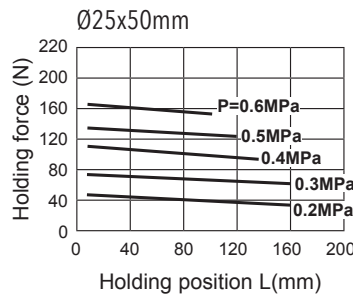
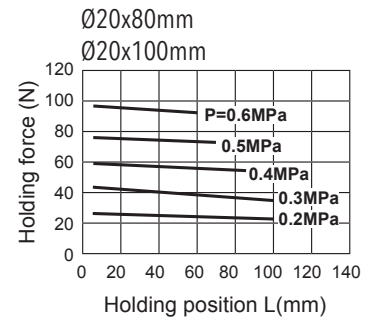
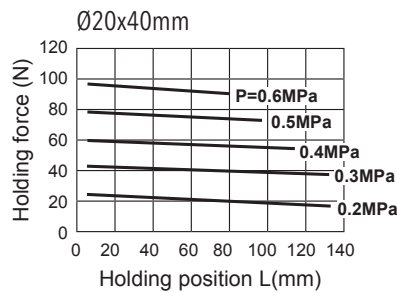
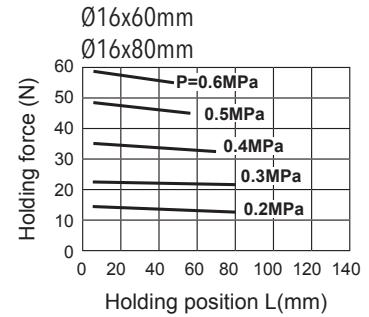
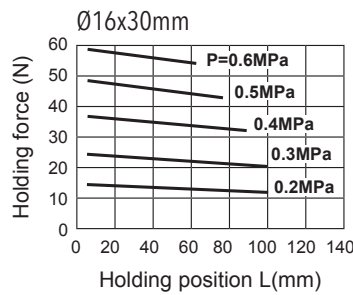
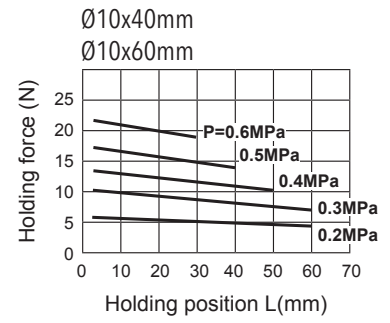
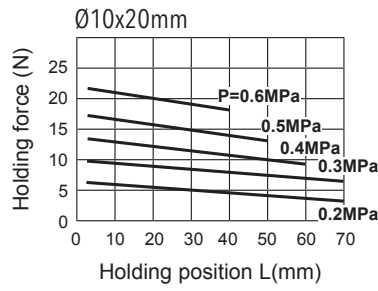
Gripping force
Force de préhension
Forza di presa

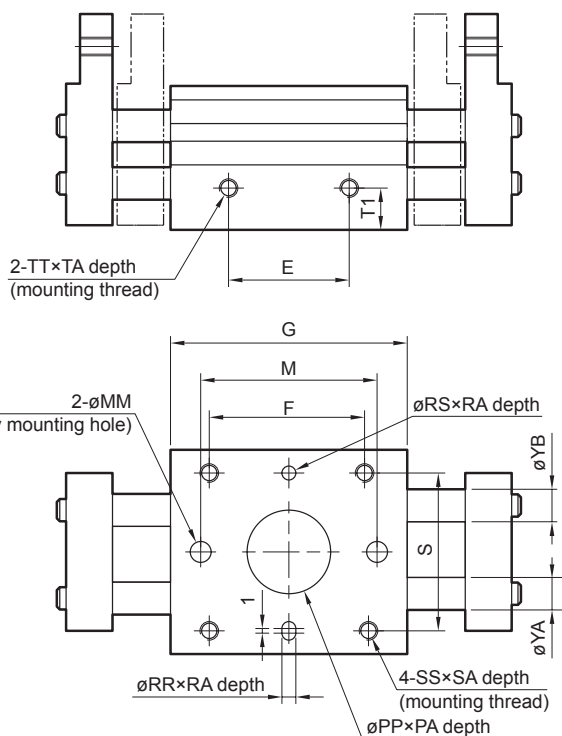


1N=0.102 kgf
1MPa=10.2 kgf/cm²

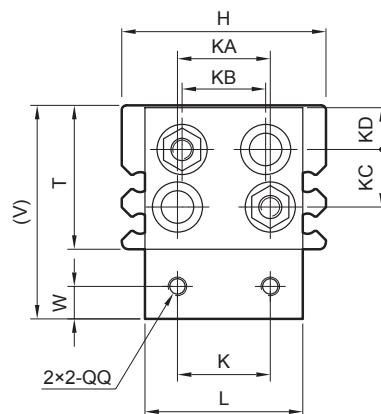
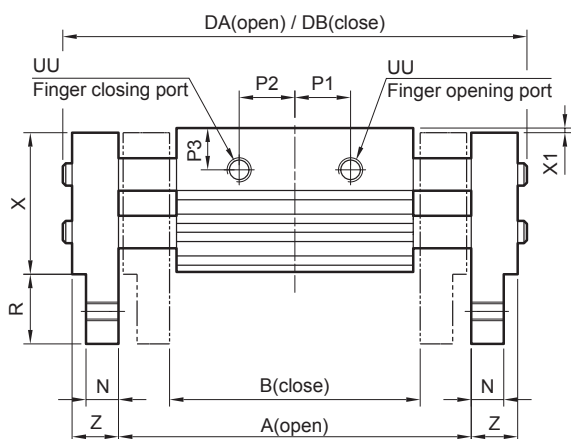


L: Holder position (mm)



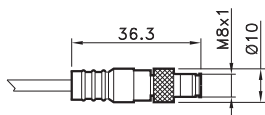
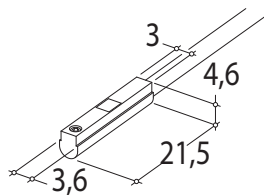


Ø	STROKE	A	B	DA	DB	E	F	G	M	P1	P2
10	20	76	56	100	80	26	36	51	38	11.5	11.5
	40	118	78	142	108	42	52	67	54	19.5	19.5
	60	156	96	180	146	60	70	85	72	28.5	28.5
16	30	98	68	128	98	28	45	60	40	13	13
	60	179	110	200	152	58	75	90	70	25	25
20	40	122	82	160	120	38	58	71	54	16	16
	80	222	142	260	194	80	100	113	96	34	34
	100	262	162	300	234	100	120	133	116	44	44
25	50	150	100	196	146	48	70	88	66	19	19
	100	282	182	328	244	102	124	142	120	43	43
	120	320	200	366	282	120	142	160	138	52	52
32	70	220	150	272	202	60	86	110	-	28	28
	120	318	198	370	282	108	134	158	-	52	52
	160	402	242	454	366	152	178	202	-	74	74



Ø	H	K	KA	KB	KC	KD	L	N	MM	PA	PP	P3	QQ	R	RA	RR	RS	S	SA	SS
10	44	20	20	18.2	12.5	8	34	7	4.5	1.5	18	9	M4x0.7	15	3	3	3	34	8	M4x0.7
16	55	25	25	22.6	16.5	9	43	9	5.5	1.5	23	10	M5x0.8	19	3	3	3	42	10	M5x0.8
20	65	30	30	28.2	20	10	54	12.5	6.6	1.5	24	11	M6x1.0	24	4	4	4	52	12	M6x1.0
25	76	40	38	33.2	23.5	11.5	64	14	9	1.5	32	16	M8x1.25	29	4.5	4	4	62	16	M8x1.25
32	82	50	40	32.2	30	14.5	70	15	-	2.5	35	16	M10x1.5	32	8	6	6	64	16	M8x1.25

Ø	T	T1	TA	TT	UU	V	W	X	X1	YA	YB	Z
10	31	9	5	M4x0.7	M5x0.8	46	7	30.5	0.5	6	6	10
16	39	10	7	M5x0.8	M5x0.8	58	8	38.5	0.5	8	8	13
20	46	11	7	M6x1.0	M5x0.8	70	10	45	1	10	10	17
25	52	12.5	7	M8x1.25	M5x0.8	81	12	51	1	12	12	21
32	68	22	11	M8x1.25	1/8	100	15	67	1	14	16	24



4= black / **noire** / nero
1= brown / **brun** / marrone
3= blue / **bleu** / azzurro



ROUND SWITCH / **CAPTEUR ROUND** / *SENSORE TONDO*

CODE

AR4018010	REED (MT.2,5) / REED (MT.2,5) / REED (MT.2,5)
AR4018020	HALL (MT.2,5) / HALL (MT.2,5) / HALL (MT.2,5)
AR4018110	REED + M8 (CM 30) / REED + M8 / REED + M8 (CM 30)
AR4018120	HALL + M8 (CM 30) / HALL + M8 / HALL + M8 (CM 30)

For technical data see page 1.58

Pour les données techniques, voir page 1.58

Per i dati tecnici vedere pag. 1.58